

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	361	(568/662).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/12/28 08:12
L2	0	("vinyl").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/12/28 08:13
L3	577819	vinyl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/28 08:13
L4	80	I1 and I3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/28 08:25
L5	45815	iwahama.in. or nakano.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/28 08:25
L6	1173	I3 and I5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/28 08:25
L7	47407	vinyl adj ether	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/28 08:25
L8	113	I6 and I7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/28 08:25

10/690,527

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204RXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 4 OCT 28 KOREAPAT now available on STN  
NEWS 5 NOV 30 PHAR reloaded with additional data  
NEWS 6 DEC 01 LISA now available on STN  
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004  
NEWS 8 DEC 15 MEDLINE update schedule for December 2004  
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB  
  
NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:44:08 ON 28 DEC 2004

=> file caplus caold

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

0.63

TOTAL

SESSION

0.63

10/690,527

FILE 'CAPLUS' ENTERED AT 08:45:51 ON 28 DEC 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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=> ....Testing the current file.... screen

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Please change to a suitable file and repeat your upload

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.86	1.49

FILE 'REGISTRY' ENTERED AT 08:46:06 ON 28 DEC 2004  
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STRUCTURE FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9  
DICTIONARY FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

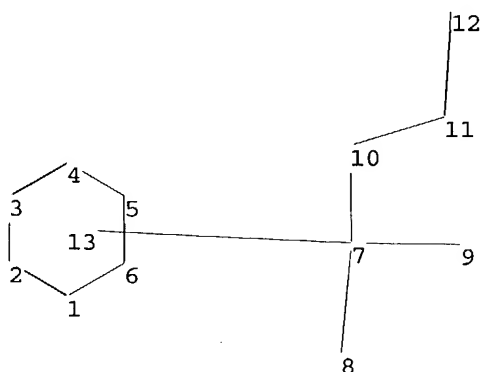
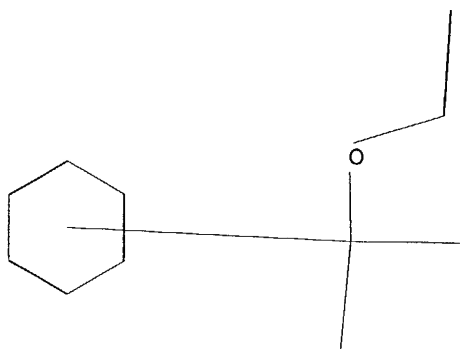
=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1929 OR 1839

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10690527.str

10/690,527



chain nodes :

7 8 9 10 11 12

ring nodes :

1 2 3 4 5 6

chain bonds :

7-8 7-9 7-10 10-11 11-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

7-10 10-11

exact bonds :

7-8 7-9 11-12

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS

L2 STRUCTURE UPLOADED

=> que L2 NOT L1

L3 QUE L2 NOT L1

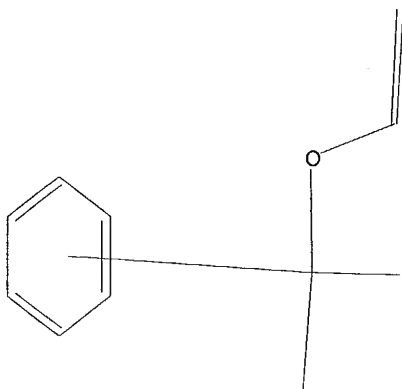
=> d

L3 HAS NO ANSWERS

L1 SCR 1992 OR 2016 OR 2021 OR 2026 OR 1929 OR 1839

L2 STR

10/690,527



Structure attributes must be viewed using STN Express query preparation.  
L3 QUE L2 NOT L1

=> s l3

SAMPLE SEARCH INITIATED 08:46:23 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 3216 TO ITERATE

31.1% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 60919 TO 67721  
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 NOT L1

=> s l3 ful

FULL SEARCH INITIATED 08:46:28 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 63654 TO ITERATE

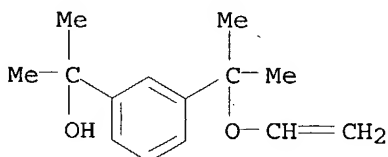
100.0% PROCESSED 63654 ITERATIONS  
SEARCH TIME: 00.00.01

7 ANSWERS

L5 7 SEA SSS FUL L2 NOT L1

=> d scan

L5 7 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Benzenemethanol, 3-[1-(ethenyloxy)-1-methylethyl]- $\alpha,\alpha$ -dimethyl-  
(9CI)  
MF C14 H20 O2



10/690,527

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus caold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

156.91

FILE 'CAPLUS' ENTERED AT 08:46:44 ON 28 DEC 2004

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=> file caplus caold uspatful

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.86

157.77

FILE 'CAPLUS' ENTERED AT 08:47:10 ON 28 DEC 2004

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FILE 'USPATFULL' ENTERED AT 08:47:10 ON 28 DEC 2004

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=> s 15

L6 8 L5

=> dup rem l6

DUPLICATE IS NOT AVAILABLE IN 'CAOLD'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L6

L7 8 DUP REM L6 (0 DUPLICATES REMOVED)

=> d 1-8 ti

L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

TI Aromatic vinyl ether polymerizable compounds

L7 ANSWER 2 OF 8 USPATFULL on STN

TI Aromatic vinyl ether compounds

L7 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

TI New [Ru3(CO)12]-based catalysts with imidazolinium salt, diimine, or bis(oxazoline) ligands and ruthenium Bis(oxazoline) complex for tandem isomerisation/Claisen rearrangement of dienyl ethers - X-ray structure of [RuCl{(R,R)-bis(isopropylloxazoline)}(p-cymene)]BF4

10/690,527

- L7 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Tandem isomerization/Claisen transformation of allyl homoallyl and diallyl ethers into  $\gamma,\delta$ -unsaturated aldehydes with a new three component catalyst  $\text{Ru}_3(\text{CO})_{12}$ /imidazolinium salt/ $\text{Cs}_2\text{CO}_3$
- L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Catalytic, enantioselective, inverse electron-demand Diels-Alder (IEDDA) reactions of 3-carbomethoxy-2-pyrone (3-CMP)
- L7 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Synthesis of cumene (isopropylbenzene) vinyl ether from cumenesulfonic acid
- L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Vinylation of tertiary alcohols
- L7 ANSWER 8 OF 8 CAOLD COPYRIGHT 2004 ACS on STN  
TI alcs. (tertiary), vinylation of

=> d 1,3-8 bib fhitr

L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:348008 CAPLUS  
DN 140:358196

TI Aromatic vinyl ether polymerizable compounds

IN Iwahama, Takahiro; Nakano, Tatsuya

PA Daicel Chemical Industries, Ltd., Japan

SO Eur. Pat. Appl., 15 pp.

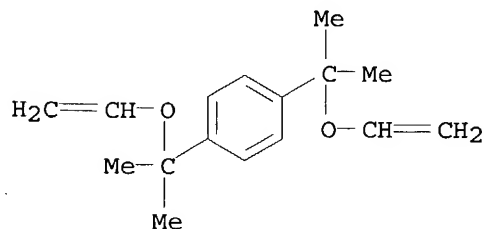
CODEN: EPXXDW

DT Patent

LA English

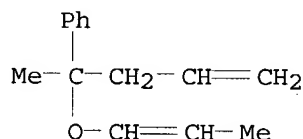
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1413568	A2	20040428	EP 2003-24369	20031024
	EP 1413568	A3	20041117		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004161742	A2	20040610	JP 2003-280504	20030725
	US 2004181098	A1	20040916	US 2003-690527	20031023
PRAI	JP 2002-311613	A	20021025		
	JP 2003-280504	A	20030725		
OS	MARPAT 140:358196				
IT	681423-92-7P				
	RL: IMF (Industrial manufacture); PREP (Preparation) (manufacture of aromatic vinyl ether compds.)				
RN	681423-92-7 CAPLUS				
CN	Benzene, 1,4-bis[1-(ethenyloxy)-1-methylethyl]- (9CI) (CA INDEX NAME)				



10/690,527

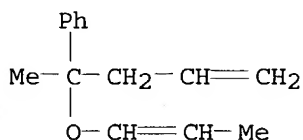
L7 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:963560 CAPLUS  
DN 140:338734  
TI New [Ru3(CO)12]-based catalysts with imidazolinium salt, diimine, or bis(oxazoline) ligands and ruthenium Bis(oxazoline) complex for tandem isomerisation/Claisen rearrangement of dienyl ethers - X-ray structure of [RuCl{(R,R)-bis(isopropoxyloxazoline)}(p-cymene)]BF4  
AU Ben Ammar, Hamed; Le Notre, Jerome; Salem, Mansour; Kaddachi, Mohamed T.; Toupet, Loic; Renaud, Jean-Luc; Bruneau, Christian; Dixneuf, Pierre H.  
CS Institut de Chimie de Rennes, UMR 6509 CNRS-Universite de Rennes 1, "Organometalliques et Catalyse", Rennes, 35042, Fr.  
SO European Journal of Inorganic Chemistry (2003), (22), 4055-4064  
CODEN: EJICFO; ISSN: 1434-1948  
PB Wiley-VCH Verlag GmbH & Co. KGaA  
DT Journal  
LA English  
IT 491597-57-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation from isomerization of dienyl ether catalyzed by triruthenium dodecacarbonyl/diimine/cesium carbonate)  
RN 491597-57-0 CAPLUS  
CN Benzene, [1-methyl-1-(1-propenyloxy)-3-butenyl]- (9CI) (CA INDEX NAME)



RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

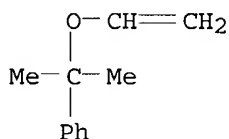
L7 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:557746 CAPLUS  
DN 138:122219  
TI Tandem isomerization/Claisen transformation of allyl homoallyl and diallyl ethers into  $\gamma,\delta$ -unsaturated aldehydes with a new three component catalyst Ru3(CO)12/imidazolinium salt/Cs2CO3  
AU Le Notre, Jerome; Brissieux, Luc; Semeril, David; Bruneau, Christian; Dixneuf, Pierre H.  
CS Institut de Chimie de Rennes, UMR 6509 CNRS, Universite de Rennes, Rennes, 35042, Fr.  
SO Chemical Communications (Cambridge, United Kingdom) (2002), (16), 1772-1773  
CODEN: CHCOFS; ISSN: 1359-7345  
PB Royal Society of Chemistry  
DT Journal  
LA English  
OS CASREACT 138:122219  
IT 491597-57-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of  $\gamma,\delta$ -unsatd. aldehydes via tandem isomerization/Claisen rearrangement of allyl homoallyl and diallyl ethers using three component catalyst Ru3(CO)12/imidazolinium salt/Cs2CO3)  
RN 491597-57-0 CAPLUS  
CN Benzene, [1-methyl-1-(1-propenyloxy)-3-butenyl]- (9CI) (CA INDEX NAME)





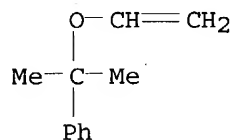
RE.CNT 23      THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7    ANSWER 5 OF 8    CAPLUS    COPYRIGHT 2004 ACS on STN  
AN    1994:508443    CAPLUS  
DN    121:108443  
TI    Catalytic, enantioselective, inverse electron-demand Diels-Alder (IEDDA)  
      reactions of 3-carbomethoxy-2-pyrone (3-CMP)  
AU    Marko, Istvan E.; Evans, Graham R.  
CS    Univ. Catholique Louvain, Dep. Chim., Louvain-La-Neuve, B-1348, Belg.  
SO    Tetrahedron Letters (1994), 35(17), 2771-4  
      CODEN: TELEAY; ISSN: 0040-4039  
DT    Journal  
LA    English  
OS    CASREACT 121:108443  
IT    22881-48-7  
      RL: RCT (Reactant); RACT (Reactant or reagent)  
      (catalytic inverse electron-demand Diels-Alder cycloaddn. with pyrone  
      of, enantioselectivity of)  
RN    22881-48-7    CAPLUS  
CN    Benzene, [1-(ethenyloxy)-1-methylethyl]- (9CI)    (CA INDEX NAME)



L7    ANSWER 6 OF 8    CAPLUS    COPYRIGHT 2004 ACS on STN  
AN    1969:412714    CAPLUS  
DN    71:12714  
TI    Synthesis of cumene (isopropylbenzene) vinyl ether from cumenesulfonic  
      acid  
AU    Pivnenko, V. P.  
CS    USSR  
SO    Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1969),  
      42(3), 718-19  
      CODEN: ZPKHAB; ISSN: 0044-4618  
DT    Journal  
LA    Russian  
IT    22881-48-7P  
      RL: SPN (Synthetic preparation); PREP (Preparation)  
      (preparation of)  
RN    22881-48-7    CAPLUS  
CN    Benzene, [1-(ethenyloxy)-1-methylethyl]- (9CI)    (CA INDEX NAME)

10/690,527



L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1964:16004 CAPLUS

DN 60:16004

OREF 60:2769b

TI Vinylation of tertiary alcohols

PA Hercules Powder Co.

SO 3 pp.

DT Patent

LA Unavailable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI GB 932670		19630731	GB	
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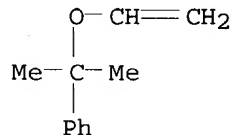
DE 1194407			DE	
------------	--	--	----	--

PRAI US		19591102		
---------	--	----------	--	--

IT 22881-48-7, Ether,  $\alpha,\alpha$ -dimethylbenzyl vinyl  
(preparation of)

RN 22881-48-7 CAPLUS

CN Benzene, [1-(ethenyloxy)-1-methylethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 8 CAOLD COPYRIGHT 2004 ACS on STN

AN CA60:2769b CAOLD

TI alcs. (tertiary), vinylation of

PA Hercules Inc.

DT Patent

PATENT NO.	KIND	DATE
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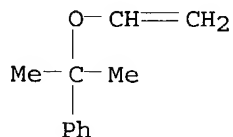
PI GB 932670		
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DE 1194407		
------------	--	--

IT 22881-48-7

RN 22881-48-7 CAOLD

CN Benzene, [1-(ethenyloxy)-1-methylethyl]- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

10/690,527

FULL ESTIMATED COST

ENTRY	SESSION
31.74	189.51

STN INTERNATIONAL LOGOFF AT 08:52:59 ON 28 DEC 2004

10/690,527

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204RXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 4 OCT 28 KOREAPAT now available on STN  
NEWS 5 NOV 30 PHAR reloaded with additional data  
NEWS 6 DEC 01 LISA now available on STN  
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004  
NEWS 8 DEC 15 MEDLINE update schedule for December 2004  
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDE/IFICDB  
  
NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:54:50 ON 28 DEC 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

10/690,527

FILE 'REGISTRY' ENTERED AT 08:55:01 ON 28 DEC 2004  
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STRUCTURE FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9  
DICTIONARY FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s "1,4-bis(1-methyl-1-vinyloxyethyl)benzene"/cn  
L1 0 "1,4-BIS(1-METHYL-1-VINYLOXYETHYL) BENZENE"/CN

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED CQST

4.85

5.06

STN INTERNATIONAL LOGOFF AT 08:55:36 ON 28 DEC 2004